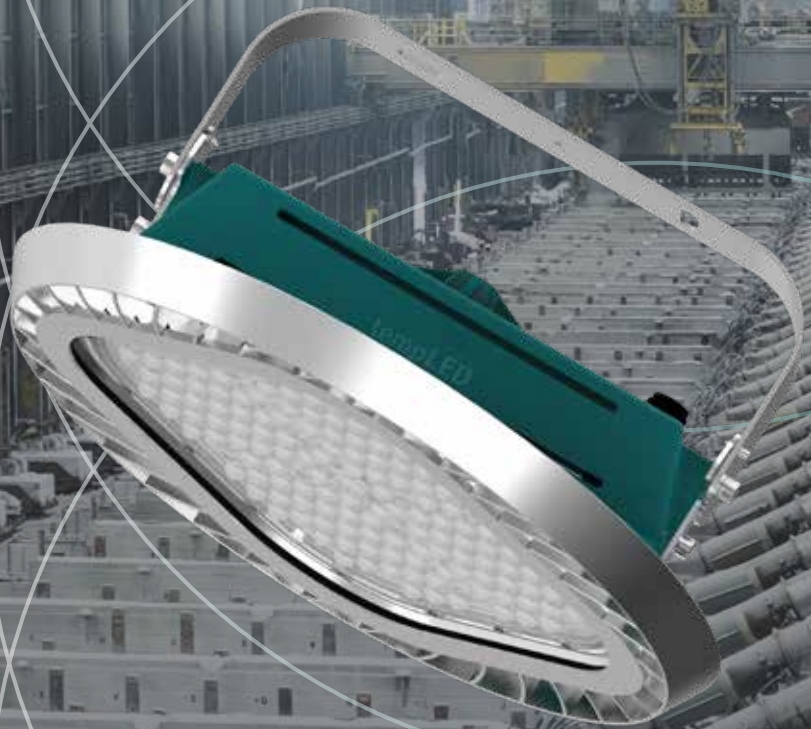


www.tempLED.de

  
tempLED



HIGH TEMPERATURE HALL LIGHT

# tempLED RayBeam Pro HT

100 | 150 | 200 | 240

Our customer  
Trimet

HALL LIGHTS   
HIGH TEMPERATURES 

# tempLED

initial system efficiency  
up to 150 lm / w



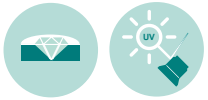
energy-efficient constant current  
power supply with integrated  
DALI -2 dimming and optional  
constant lumen output (CLO)



powerful, dust-permeable  
heat sink made of  
die-cast aluminum



impact and UV-resistant high-  
performance optical system  
with three practical beam angles



optional control  
and safety systems:

CASAMBI



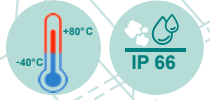
modular overall structure  
with exchangeable and repla-  
ceable main components



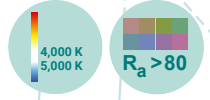
pressure compensation mem-  
brane to prevent condensation



solid luminaire housing opti-  
mized for high-temperature sur-  
roundings up to **+80° Celsius**



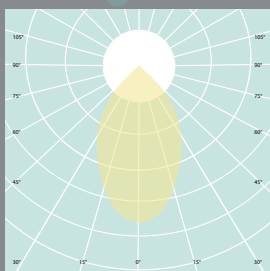
durable and bright  
LED light field



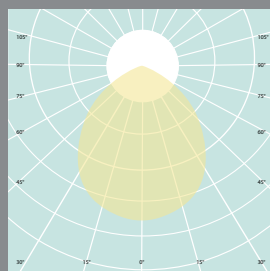
impact-resistant cover  
plate made of 5 mm  
toughened safety glass



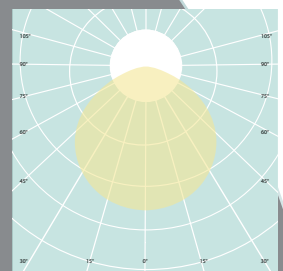
## Light distribution curves tempLED RayBeam Pro HT 100 | 150 | 200 | 240



60 degrees symmetrical  
optical system



90 degrees symmetrical  
optical system



120 degrees symmetrical

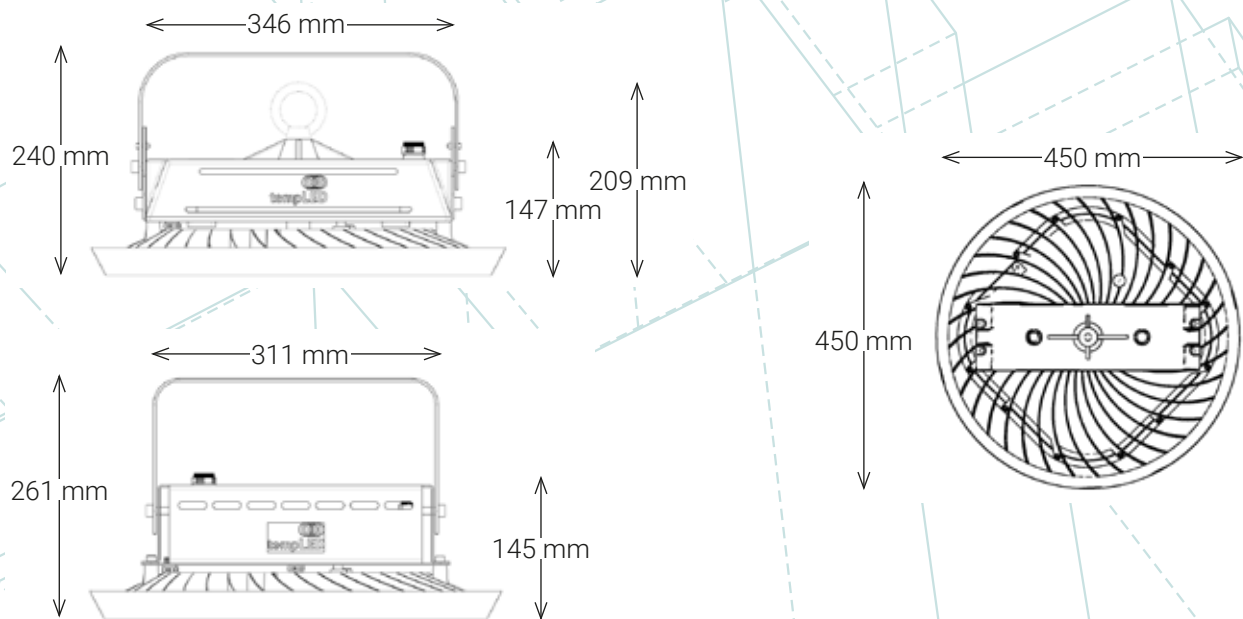
**tempLED RayBeam Pro HT**  
100 | 150 | 200



**tempLED RayBeam Pro HT**  
240



**Dimensions tempLED RayBeam Pro HT**  
100 | 150 | 200 | 240



**Mounting options tempLED RayBeam Pro HT**  
100 | 150 | 200 | 240

bracket mounting<sup>1,2</sup>

pendant mounting<sup>3</sup>



<sup>1</sup> Adjustment range for surface mounting with standard ceiling bracket: -45 to +45 degrees.

<sup>2</sup> Adjustment range for surface mounting with optional wall bracket (934039): 0 to 90 degrees.

<sup>3</sup> only for tempLED RayBeam Pro 100, 150 and 200 HT.

## General technical data

according to IEC, identical for all types of luminaires



### Lighting properties:

initial luminous flux:	14,000 to 36,000 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 150 lumens / watt
initial, most similar color temperature:	4,000 kelvins   5,000 kelvins <sup>1</sup>
initial color rendering index (CRI):	Ra > 80
initial color consistency:	< 5 SDCM
available symmetrical beam angles:	60   90   120 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	1 percent

### Electrotechnical properties:

power supply AC:	90 to 240 volts <sup>2</sup>
supply frequency:	50 / 60 hertz
power supply DC:	127 to 250 volts <sup>3</sup>
system performance:	100 to 240 watts
system performance tolerance:	± 10 percent
power factor:	> 0.93
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 20 percent
temperature classification (ATEX):	T5
Tc - temperature:	+89 degrees Celsius

### Energy characteristics:

Valid for all tempLED RayBeam Pro HT with beam angle 60 and 90 degrees: This product contains a light source of energy efficiency class D.

Valid for all tempLED RayBeam Pro HT with beam angle 120 degrees: This product contains a light source of energy efficiency class C.

### Mounting options:

standard mounting options:	ceiling bracket with adjustment range -45 to +45 degrees pendant mounting with mounting eyelet
optional mounting options:	wall bracket with adjustment range 0 to 90 degrees (934039)

<sup>1</sup> additional color temperatures on request.

<sup>2</sup> power supply 249 to 528 VAC - 50/60 Hz on request.

<sup>3</sup> power supply 352 to 500 VDC on request.

**Control and safety properties:**

dimming:	DALI-2
minimum dimming level:	10 percent
constant lumen output (CLO):	optional
control via the Casambi network:	optional <sup>1</sup>
emergency light module:	optional <sup>2</sup>
human centric lighting:	on request
daylight control system:	optional via the Casambi network <sup>1</sup>

**Housing properties:**

ambient temperature:	-40 to +80 degrees Celsius
ingress protection:	IP 66
impact resistance level:	IK08
electrical protection class:	I
limited surface temperature (D):	yes
pressure compensation membrane:	yes
housing and heat sink material(s):	die-cast aluminum
material(s) and finish of the standard ceiling bracket:	stainless steel, powder-coated in white aluminium according to RAL 9006 <sup>3</sup>
material of optical system:	impact- and UV-resistant polycarbonate
cover plate material:	5 mm impact-resistant toughened safety glass, clear
luminaire housing color:	white aluminium according to RAL 9006 <sup>3</sup>
power supply housing color:	water blue according to RAL 5021 <sup>3</sup>
surface finish:	powder coating <sup>3</sup>
supply cable type:	H05RN-F 5G1
supply cable length:	250 centimeters
supply cable inlet:	plug connector
supply cable connection type:	open cable end
number of poles:	3 grid / 2 DALI

**Additional information:**

certificates:	ENEC in preparation
conformities:	CE and RoHS
lifespan (L70B10C1) @ Ta 25 degrees Celsius:	approx. 100,000 hours
lifespan (L70B10C1) @ Ta 80 degrees Celsius:	approx. 80,000 hours
lifespan (L90B10C1) @ Ta 25 degrees Celsius:	approx. 50,000 hours
guarantee:	5 years <sup>4</sup>
spare part guarantee:	10 years
delievery includes:	luminaire, ceiling bracket, mounting eyelet and fall protection

<sup>1</sup> can only be used at ambient temperatures of max. +50 degrees Celsius.

<sup>2</sup> can only be used at ambient temperatures from +5 to +50 degrees Celsius.

<sup>3</sup> optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

<sup>4</sup> according to the warranty conditions of tempLED GmbH, excluding accessories.

**Logistic information:**

luminaire:	RayBeam Pro 100   150   200   240 HT
number of luminaires per package:	1
number of luminaires per pallet:	28
net weight of the luminaire:	9,500 g
gross weight per package:	11,500 g
package dimensions L x W x H:	510 x 510 x 270 mm

## tempLED 100

	RayBeam Pro 100 - 60 HT	RayBeam Pro 100 - 90 HT	RayBeam Pro 100 - 120 HT
article number:	341164	341194	341124
GTIN / EAN:	4260669198319	4260669198326	4260669198302
initial luminous flux:	14,000 lm	14,000 lm	15,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	100 W	100 W	100 W
power consumption:	0.45 A	0.45 A	0.45 A
maximum inrush current:	24 A	24 A	24 A
dimensions (Ø x H):	450 x 240 mm	450 x 240 mm	450 x 240 mm

## tempLED 100

	RayBeam Pro 100 - 60 HT	RayBeam Pro 100 - 90 HT	RayBeam Pro 100 - 120 HT
article number:	341165	341195	341125
GTIN / EAN:	4260669190009	4260669190016	4260669190023
initial luminous flux:	14,000 lm	14,000 lm	15,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	100 W	100 W	100 W
power consumption:	0.45 A	0.45 A	0.45 A
maximum inrush current:	24 A	24 A	24 A
dimensions (Ø x H):	450 x 240 mm	450 x 240 mm	450 x 240 mm

## tempLED 150

	RayBeam Pro 150 - 60 HT	RayBeam Pro 150 - 90 HT	RayBeam Pro 150 - 120 HT
article number:	341264	341294	341224
GTIN / EAN:	4260669198340	4260669198357	4260669198333
initial luminous flux:	21,000 lm	21,000 lm	22,500 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	150 W	150 W	150 W
power consumption:	0.70 A	0.70 A	0.70 A
maximum inrush current:	24 A	24 A	24 A
dimensions (Ø x H):	450 x 240 mm	450 x 240 mm	450 x 240 mm

tempLED **150**

	RayBeam Pro 150 - 60 HT	RayBeam Pro 150 - 90 HT	RayBeam Pro 150 - 120 HT
article number:	341265	341295	341225
GTIN / EAN:	4260669190030	4260669190047	4260669190054
initial luminous flux:	21,000 lm	21,000 lm	22,500 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	150 W	150 W	150 W
power consumption:	0.70 A	0.70 A	0.70 A
maximum inrush current:	24 A	24 A	24 A
dimensions (Ø x H):	450 x 240 mm	450 x 240 mm	450 x 240 mm

tempLED **200**

	RayBeam Pro 200 - 60 HT	RayBeam Pro 200 - 90 HT	RayBeam Pro 200 - 120 HT
article number:	341364	341394	341324
GTIN / EAN:	4260669198371	4260669198388	4260669198364
initial luminous flux:	28,000 lm	28,000 lm	30,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	200 W	200 W	200 W
power consumption:	0.90 A	0.90 A	0.90 A
maximum inrush current:	24 A	24 A	24 A
dimensions (Ø x H):	450 x 240 mm	450 x 240 mm	450 x 240 mm

tempLED **200**

	RayBeam Pro 200 - 60 HT	RayBeam Pro 200 - 90 HT	RayBeam Pro 200 - 120 HT
article number:	341365	341395	341325
GTIN / EAN:	4260669190061	4260669190078	4260669190085
initial luminous flux:	28,000 lm	28,000 lm	30,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	200 W	200 W	200 W
power consumption:	0.90 A	0.90 A	0.90 A
maximum inrush current:	24 A	24 A	24 A
dimensions (Ø x H):	450 x 240 mm	450 x 240 mm	450 x 240 mm

tempLED **240**











	RayBeam Pro 240 - 60 HT	RayBeam Pro 240 - 90 HT	RayBeam Pro 240 - 120 HT
article number:	341464	341494	341424
GTIN / EAN:	4260669198395	4260669198401	4260491843531
initial luminous flux:	33,600 lm	33,600 lm	36,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	4,000 K	4,000 K	4,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	240 W	240 W	240 W
power consumption:	1.04 A	1.04 A	1.04 A
maximum inrush current:	24 A	24 A	24 A
dimensions (Ø x H):	450 x 261 mm	450 x 261 mm	450 x 261 mm

tempLED **240**

	RayBeam Pro 240 - 60 HT	RayBeam Pro 240 - 90 HT	RayBeam Pro 240 - 120 HT
article number:	341465	341495	341425
GTIN / EAN:	4260669190092	4260669190108	4260669190115
initial luminous flux:	33,600 lm	33,600 lm	36,000 lm
initial system efficiency:	140 lm/w	140 lm/w	150 lm/w
initial, most similar color temperature:	5,000 K	5,000 K	5,000 K
light distribution:	symmetrical	symmetrical	symmetrical
beam angle:	60 degrees	90 degrees	120 degrees
dimming / control:	DALI-2	DALI-2	DALI-2
system performance:	240 W	240 W	240 W
power consumption:	1.04 A	1.04 A	1.04 A
maximum inrush current:	24 A	24 A	24 A
dimensions (Ø x H):	450 x 261 mm	450 x 261 mm	450 x 261 mm

STOCK  
ITEMSTOCK  
ITEM



tempLED	Accessory catalogue RayBeam Pro HT	art.-no.	GTIN / EAN
	<b>wall bracket</b> surface bracket for wall mounting, adjustment range of the luminaire: 0 to 90 degrees, material: stainless steel, finish: natural <b>suitable for tempLED RayBeam Pro 100, 150 and 200 HT</b> <b>suitable for tempLED RayBeam Pro 240 HT</b>	934039 934258	4260669194311 4260745238823
	<b>locking device for ball impact safety</b> adjustable and lockable mounting bracket with scale for ball impact safety, material: steel, finish: powder coating in white aluminium according to RAL 9006, delivery as a set of 2	935540	4260491842350
	<b>safety plug</b> 3-pin safety plug with ingress protection IP 44, installed on the supply cable of the luminaire	945400	4260491842251
	<b>supply cable extension</b> ready-to-use 5-pin supply cable extension up to 10 meters	933566	4260745235570
	<b>Wieland connector RST 20i5</b> 5-pin socket part; color coding: turquoise blue, 250 V, 20 A, with protective conductor, for cable diameter 6 - 10 mm	945430	4260491842329
	<b>Wieland connector RST 20i5</b> 5-pin connector part; color coding: turquoise blue, 250 V, 20 A, with protective conductor, installed on the supply cable of the luminaire	945431	4260491842336
	<b>cover plate polycarbonate</b> impact-resistant cover plate, thickness 5 mm, material: polycarbonat, finish: clear	333902	42604919843753
	<b>Casambi control unit</b> for integrating and controlling the luminaire via the Casambi network, can only be used at ambient temperatures of max. +50 degrees Celsius, mounted on the luminaire ready for use	934187	4260669198203
	<b>emergency light module</b> suitable only for tempLED RayBeam Pro 100 / 150 / 200 HT with automatic detection of failure and return of supply voltage, display of functional status, battery type: LiFePO4, running time approx. 3 hours with an output power of approx. 3,5 watts, recharging time: approx. 24 hours, can only be used at ambient temperatures from +5 to +50 degrees Celsius, mounted on the luminaire ready for use	341900	4260745237246
	<b>emergency light module</b> suitable only for tempLED RayBeam Pro 240 HT with automatic detection of failure and return of supply voltage, display of functional status, battery type: LiFePO4, running time approx. 3 hours with an output power of approx. 3,5 watts, recharging time: approx. 24 hours, can only be used at ambient temperatures from +5 to +50 degrees Celsius, mounted on the luminaire ready for use	341901	4260745237253



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When will you start?